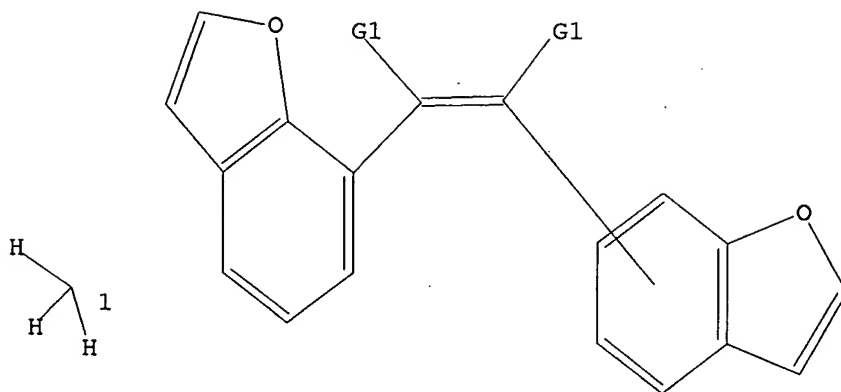


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G1 H,X,[@1]

G2 H,OH

Structure attributes must be viewed using STN Express query preparation.

=> s l12 full

FULL SEARCH INITIATED 10:38:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1873 TO ITERATE

100.0% PROCESSED 1873 ITERATIONS

SEARCH TIME: 00.00.01

0 ANSWERS

L13

0 SEA SSS FUL L12

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

689.75

1104.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

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=> d his

(FILE 'HOME' ENTERED AT 10:13:34 ON 10 JUL 2007)

FILE 'REGISTRY' ENTERED AT 10:13:43 ON 10 JUL 2007

L1 STRUCTURE UPLOADED

L2 199 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:14:18 ON 10 JUL 2007

L3 38 S L2

FILE 'REGISTRY' ENTERED AT 10:14:56 ON 10 JUL 2007

L4 STRUCTURE UPLOADED

L5 0 S L4 FULL SUB=L2

FILE 'CAPLUS' ENTERED AT 10:15:53 ON 10 JUL 2007

FILE 'REGISTRY' ENTERED AT 10:34:09 ON 10 JUL 2007

L6 STRUCTURE UPLOADED

L7 0 S L6 FULL

L8 STRUCTURE UPLOADED

L9 4 S L8 FULL

L10 STRUCTURE UPLOADED

L11 1 S L10 FULL

L12 STRUCTURE UPLOADED

L13 0 S L12 FULL

FILE 'CAPLUS' ENTERED AT 10:38:07 ON 10 JUL 2007

=> s l9 or l11

3 L9

1 L11

L14 4 L9 OR L11

=> d ibib abs hitstr tot

Karen Cheng

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:161883 CAPLUS

DOCUMENT NUMBER: 130:309064

TITLE: New oligostilbenes having a benzofuran from *Vitis vinifera* 'Kyohou'

AUTHOR(S): Ito, Junko; Takaya, Yoshiaki; Oshima, Yoshiteru; Niwa, Masatake

CORPORATE SOURCE: Faculty Pharmacy, Meijo University, Tempaku, Nagoya, 4688503, Japan

SOURCE: Tetrahedron (1999), 55(9), 2529-2544

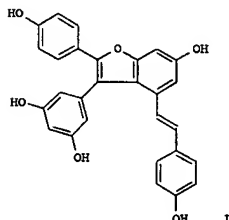
CODEN: TETRA; ISSN: 0040-4020

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Three new oligostilbenes having a benzofuran moiety, viniferifuran (e.g. I), (+)-vitisifuran A and (-)-vitisifuran B, were isolated from *Vitis vinifera* 'Kyohou'. The structures of these oligostilbenes including the absolute configuration were elucidated by spectroscopic and chemical methods.

Furthermore, these were chemical transformed from (+)- α -viniferin, (+)-vitisin A and (-)-vitisin B, resp., whose absolute configurations are known.

IT 223558-97-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and properties of)

RN 223558-97-2 CAPLUS

CN 1,3-Benzenediol, 5-[(2'S,3'S)-6'-(acetyloxy)-5-[(1E)-2-[6-(acetyloxy)-2-[4-(acetyloxy)phenyl]-3-[3,5-bis(acetyloxy)phenyl]-4-benzofuran]ethenyl]-2,2'-bis[4-(acetyloxy)phenyl]-2',3'-dihydro[3,4'-bibenzofuran]-3'-yl]-, diacetate (9CI) (CA INDEX NAME)

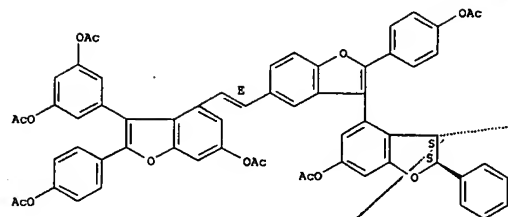
Absolute stereochemistry.

Double bond geometry as shown.

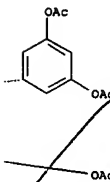
L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1976:448246 CAPLUS

DOCUMENT NUMBER: 85:48246

TITLE: Anil synthesis. 11. Preparation of 4-styrylstilbene, 4-(benzo[b]furan-2-yl)stilbene, and p-(2-phenylbenzo[b]furan-6-yl)styrene derivatives substituted in the 4'-position

De Buman, Alain; Siegrist, Adolf E. Org.-Chem. Inst., Univ. Freiburg, Freiburg, Switz.

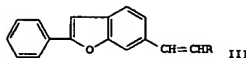
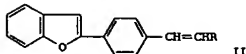
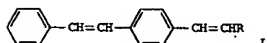
Source: Helvetica Chimica Acta (1974), 57(5), 1352-82

CODEN: HCACAV; ISSN: 0018-019X

DOCUMENT TYPE: Journal

LANGUAGE: German

GI



AB Stilbene and styrene derive. I-III (R = heterocyclic-substituted phenyl or phenylbenzofuran) (156), one of which is known as a fluorescent whitening agent, were prepared by the anil synthesis, i.e., by reaction of the 4-chloroanils of 4-stilbenecarboxaldehyde [40200-69-9], p-(2-benzofuran)benzaldehyde [53348-90-6], and 2-phenyl-6-benzofuran-carboxaldehyde [53348-88-2] with heterocyclic-substituted toluenes or 2-aryl-6-methylbenzofurans in the presence of DMF and KOH or KOtBu-tert. The absorption and fluorescence λ_{max} of the I-III are given. The anil synthesis produces a trans double bond exclusively, in contrast to the reaction of an aldehyde with a (EtO)2P(O)CH2-substituted aromatic compound, which gives a cis-trans mixture

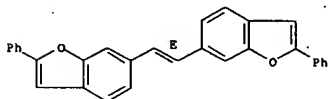
IT 53348-60-0P 53415-36-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and absorption and fluorescence spectra of)

RN 53348-60-0 CAPLUS

CN Benzofuran, 6,6'-(1,2-ethenediyl)bis[2-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



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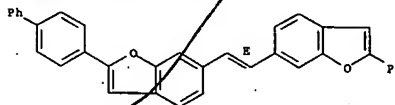
L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)

RN 53415-36-4 CAPLUS

CN Benzofuran, 6-[2-(2-[1,1'-biphenyl]-4-yl-6-benzofuran)ethenyl]-2-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:461624 CAPLUS

DOCUMENT NUMBER: 83:61624

TITLE: Anil syntheses. 11. Preparation of 4'-substituted 4-styrylstilbene, 4-(benzo[b]furan-2-yl)stilbene, and β -(2-phenylbenzo[b]furan-6-yl)styrene derivatives
 AUTHOR(S): De Buman, Alain; Siegrist, Adolf E.
 CORPORATE SOURCE: Org. Chem. Inst., Univ. Freiburg, Freiburg, Switz.
 SOURCE: Helvetica Chimica Acta (1974), 57(5), 1352-82
 CODEN: HCACAV; ISSN: 0018-019X

DOCUMENT TYPE: Journal

LANGUAGE: German

AB The Schiff bases of 4-stilbenecarboxaldehyde [40200-69-9], 2-(p-formylphenyl)benzo[b]furan [53348-90-6] and 2-phenyl-6-formylbenzo[b]furan and p-chloroaniline [106-47-8] were condensed with p-tolyl or methyl substituted aromatic heterocyclic or carbocyclic compds.

in DMF in the presence of KOH or KOAc to give 156 4'-substituted 4-styrylstilbene, 4-(benzo[b]furan-6-yl)stilbene, and β -(2-phenylbenzo[b]furan-6-yl)styrene deriva., all in the trans form. The absorption maximum and fluorescence maximum of the benzo[b]furan based compds.

were compared with the corresponding stilbene deriva.

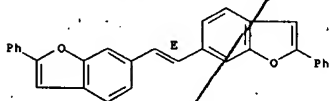
IT 53348-60-0 53415-36-4

RL: FRP (Properties)
 (fluorescence and uv spectra of)

RN 53348-60-0 CAPLUS

CN Benzofuran, 6,6'-(1,2-ethenediyl)bis(2-phenyl-, (E)- (9CI) (CA INDEX NAME)

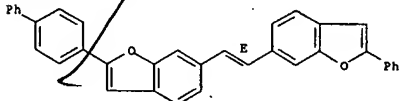
Double bond geometry as shown.



RN 53415-36-4 CAPLUS

CN Benzofuran, 6-[7-(2-[1,1'-biphenyl]-4-yl-6-benzofuranyl)ethenyl]-2-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:113167 CAPLUS

DOCUMENT NUMBER: 82:113167

TITLE: Anil synthesis. 10. Preparation of styryl derivatives of dibenzofurans

AUTHOR(S): Garmatter, Jacques; Siegrist, Adolf E.

CORPORATE SOURCE: Org. Chem. Inst., Univ. Freiburg, Freiburg, Switz.

SOURCE: Helvetica Chimica Acta (1974), 57(4), 945-79

CODEN: HCACAV; ISSN: 0018-019X

DOCUMENT TYPE: Journal

LANGUAGE: German

GI For diagram(s), see printed CA Issue.

AB Schiff bases of 2- and 3-dibenzofurancarboxaldehydes with p-ClC₆H₄NH₂ were condensed with p-tolyl substituted heterocyclic and carbocyclic aromatic compds. in DMF in the presence of KOH or KOAc to give the corresponding styryl deriva. or styryl analogs (I, R = heterocyclic residue, aromatic carbocyclic residue). The position of the absorption and fluorescence maximum of 3-dibenzofuran styryl deriva. was compared to the p-biphenyl residue-containing deriva.

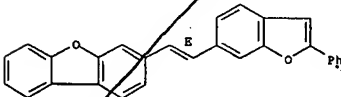
IT 52823-31-1 52823-32-2

RL: FRP (Properties)
 (fluorescent spectrum of)

RN 52823-31-1 CAPLUS

CN Dibenzofuran, 3-[2-(2-phenyl-6-benzofuranyl)ethenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 52823-32-2 CAPLUS

CN Dibenzofuran, 3-[2-(2,3-diphenyl-6-benzofuranyl)ethenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

